

Sub B12
What is claimed is:

1. A fixing structure for fixing a pin with a link in a caterpillar comprising a fixing structure comprising a link 1, a pin 2 inserted into a pin inserting bore 7 provided on the link 1, the pin 2 formed with an peripherally extending concave groove 18 on the end portion of the pin 2, a peripheral rim of an opening of the pin inserting bore 7 and the peripherally extending concave groove 18 together form an annular space 16, a escape-preventing ring 17 for limiting relative motion of the pin 2 toward the off-opening side is fitted, further the hardness of the pin 2 at the bottom surface of the groove 18 is lowered than that of the pin 2 at the portion with which the link 1 is connected.
2. The fixing structure of claim 1 wherein the hardness of the bottom surface of the peripherally extending concave groove 18 is lowered by annealing process.
3. The fixing structure of claim 1 or 2 wherein the hardness of the bottom surface of the peripherally extending concave groove 18 ranges from 30 to 45 as measured by HRC scale and the hardness of the link engaging portion ranges from 50 to 65 as measured by HRC scale.

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